

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	F	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/698,304 10/30/2003		10/30/2003	Kenneth Goodson	COOL-01800	1389	
28960	7590	06/14/2005			EXAMINER	
		OWENS LLP	MCKINNON, TERRELL L			
162 NORTI SUNNYVA				ART UNIT	PAPER NUMBER	
,			3743			
				DATE MAILED, 06/14/2004	DATE MAIL ED: 06/14/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

Mh

Supplemental

Application No.	Applicant(s)
10/698,304	GOODSON ET AL.
Examiner	Art Unit
Terrell L. Mckinnon	3743

A1 = 41 = = = E A H = = = = 1:114 =	10/030,004	TOODDOON ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Terrell L. Mckinnon	3743	
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT Record the Office or upon petition by the applicant. See 37 CFR 1.313	OR REMAINS) CLOSED in this ap or other appropriate communication GHTS. This application is subject t	plication. If not include will be mailed in due	ed course. THIS
1. 🔀 This communication is responsive to the applicant's respon	se filed 4/25/2005.		
2. The allowed claim(s) is/are 1-123 and 165-206.			
3. The drawings filed on <u>30 October 2003</u> are accepted by the	e Examiner.		
 4. Acknowledgment is made of a claim for foreign priority unally all b) Some* c) None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONMITHIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 	been received. been received in Application No cuments have been received in this of this communication to file a reply	national stage applica	
5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give			IOTICE OF
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftsperson 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the paper of the property of the prope	on's Patent Drawing Review (PTO Amendment / Comment or in the (84(c)) should be written on the drawing header according to 37 CFR 1.1216 sit of BIOLOGICAL MATERIAL	Office action of ngs in the front (not the d). must be submitted.	
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date	5. Notice of Informal F 6. Interview Summary Paper No./Mail Da 8), 7. Examiner's Amend 8. Examiner's Statem 9. Other	r (PTO-413), te ment/Comment	

Application/Control Number: 10/698,304 Page 2

Art Unit: 3743

Allowable Subject Matter

1. The following is an examiner's statement of reasons for allowance:

Prior art fails to disclose the following patentable limitations of the applicant's claimed and disclosed invention:

- A method and apparatus of controlling the temperature of a heat source in contact with a heat exchanging surface of a heat exchanger, wherein the heat exchanging surface is substantially aligned along a plane comprising:
- channeling a selectable, non-uniform amount of a first temperature fluid to one or more predetermined locations on the heat exchanging surface.

Support for the amendment can be found on page 8 lines 9-17, which states: "Alternatively, variable amounts of fluid flow enter and exit through the inlet and outlet ports (108, 109) of the heat exchanger 100 at a given time."

The combinations of the claimed limitations are novel and found to be allowable over prior art. The cited reference taken singly or in combination does not anticipate or make obvious applicant's claimed invention.

2. Claims 1-123 and 165-206 are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

Art Unit: 3743

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Terrell L. Mckinnon whose telephone number is 571-272-4797. The examiner can normally be reached on Monday -Thursday and every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry Bennett can be reached on 571-272-4791. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Terrell L Mckinno

Primary Examiner
Art Unit 3743

June 10, 2005